



## Regen Ground Granulated Blastfurnace Slag Produced at **Sample Period**

## Port Talbot September 2022

## **Certificate of Conformity of Regen GGBS**

Spot samples of Regen GGBS were taken and tested to determine conformity to the autocontrol requirements of EN 15167-1 "Ground granulated blastfurnace slag for use in concrete, mortar and grout" following the methods given in that standard. The values reported are mean values for the monthly production period.

		Result	EN Limit
Regen GGBS Only			
Fineness m <sup>2</sup> /kg		435	min. 275
Magnesia MgO %		7	max. 18
Sulfate SO <sup>3</sup> %		0.08	max. 2.5
Sulfide S <sup>2-</sup> %		1.09	max. 2.0
Chloride Content Cl %		0.02	max. 0.1
Moisture Content %		0.10	max. 1.0
Aluminia Al <sub>2</sub> O <sub>3</sub> %		12	
Note: If the value is $\ge$ 14% the '+SR' restriction will be exceeded if the C <sub>3</sub> A	of the CEM I is > 10%	6.	
Alkalis as Na2O equ. (acid solu	ıble)		
Certified Average Alkali (Last 25) %		≤ 1.0	
Mean Alkali content (Last 25) %		0.70	
Declared Mean : Mean last 25 + (SD last 25 x 1.64) %		0.75	
Combination of 50% Laboratory Stock CEM I Portland C	ement and 50% Rege	en GGBS	-
Initial Setting Time min.		215	> 2 x PC
Activity Index %	7 days	67	min. 45
	28 days	87	min. 70
Laboratory Stock CEM I Portland Ce	ment Only		
The laboratory stock CEM I Portland cement used in these	tests was supplied by	Hanson.	
Initial Setting Time min		135	
Compressive Strength N/mm <sup>2</sup>	7 days	48.2	
	28 days	61.3	
The Regen GGBS contained no additional materials other than those pe	ermitted. The above re	esults and o	ther tests
demonstrate the conformity of the material sold during the month			
Hanson Cement has used all reasonable care to ensure the information herein contained is a be accepted by Hanson Cement for any loss, damage, cost or expense arising from any			
Signed:			
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